

ABSTRACT

A thermoforming machine for manufacturing triple sheet thermoplastic articles is disclosed. The thermoforming machine comprises three controllable ovens for heating three sheets to a heat deformable temperature, three shape giving molds for separately thermoforming each sheet in succession, and forging-like means to compress the three thermoformed sheets into a unitary article. The three sheets are thermoformed and compressed together in a form station comprising upper and lower platens. Acting with the upper platen is a mold shuttle system for moving two of three molds into position relative the thermoforming and forging-like operations of the apparatus.

5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95